

Education

- 2019 – ▶ **M.S., University of Washington Seattle** - Computer Science
Advisor: Prof. Dan Weld
Cumulative GPA 3.86 / 4.0
Highlighted Coursework: Natural Language Processing, Adv. Topics in Human-Computer Interaction, Operating Systems, Computer Security
- 2016 – 2019 ▶ **B.S., University of Washington Seattle** - Computer Science, minor Mathematics
Thesis: *Finding and evaluating RNA motifs with CMfinder* [2].
Advisor: Prof. Larry Ruzzo
Cumulative GPA 3.94 / 4.0, *magna cum laude*
Highlighted Coursework: Machine Learning, Software Design & Implementation, Data Structures & Parallelism, Data Visualization, Algorithms, Databases, Systems Programming, Computational Biology
Started 2 years early through the Robinson Center Academy program.

Research Experience

- 2020 – ▶ **Graduate Researcher** with Prof. Elena Glassman (Harvard) and Prof. Dan Weld (UW).
Currently developing an aggregation and visualization method for research paper abstracts.
- 2019 – ▶ **Graduate Researcher**, Lab for Human-AI Interaction (University of Washington)
Mentored by Gagan Bansal and advised by Prof. Dan Weld.
Developed, implemented, and evaluated a novel adaptive explanation style for human-AI teams on a sentiment analysis task. Analyzed participants' feedback on how AI explanations impacted their decision-making. Resulted in 2nd-author publication and submission to CHI [1]. Also featured in a WHI 2020 spotlight.
- 2018 – 2019 ▶ **Undergraduate Researcher** with Prof. Larry Ruzzo (University of Washington)
Developed a set of tools (*blockmerge* and *crosscompare*) and a pipeline centered on CMfinder to search for potentially structured fRNA sequences across alignment block boundaries and cluster found covariance models. Wrote up methods and findings in Bachelor's thesis [2].
- ▶ **Undergraduate Researcher** with Prof. Emily Pahnke (Foster School of Business, UW)
Collected, organized, and cleaned data from a diverse range of websites (social media, blogs, business homepages) to form an original data set.

Teaching Experience

- 2018 – 2019 ▶ **Teaching Assistant**, University of Washington
Taught sections of 20+ students and assisted individual students in office hours.
Wrote and reviewed course handouts, homework, and exams.
Graded student programming assignments and exams.
2019 AU: CSE374 Programming Tools & Concepts (Tyler Pirtle)
2019 SP: CSE369 Introduction to Digital Design (Justin Hsia)
2019 WI: CSE369 Introduction to Digital Design (Justin Hsia)
2018 AU: CSE331 Software Design & Implementation (Prof. Mike Ernst)
2018 SU: CSE331 Software Design & Implementation (Leah Perlmutter)

Publications

* denotes equal contribution

Pre-prints

- [1] G. Bansal*, T. Wu*, **J. Zhou**, R. Fok, B. Nushi, E. Kamar, M. T. Ribeiro, and D. S. Weld, "Does the whole exceed its parts? The effect of AI explanations on complementary team performance", Submitted to CHI 2021, abridged version presented in WHI spotlight, 2020, 📄 [Online]. Available: <https://arxiv.org/abs/2006.14779>.

Theses

- [2] **J. Zhou** and L. Ruzzo, “Finding and evaluating RNA motifs with CMfinder”, Bachelor’s thesis, Paul G. Allen School of Computer Science & Engineering, University of Washington, 2019. [🔗](https://cephcyn.github.io/pub/2019-bachelors_thesis-Finding_and_evaluating_RNA_motifs_with_CMfinder.pdf) [Online]. Available: https://cephcyn.github.io/pub/2019-bachelors_thesis-Finding_and_evaluating_RNA_motifs_with_CMfinder.pdf.

Skills

- Languages (Code) ▷ Experienced: Java, Python
Familiar: C, C++, JavaScript, HTML/CSS, Bash, SQL
Interests: Haskell, \LaTeX
- Tools/Frameworks ▷ Experienced: Git, AllenNLP, Gensim, NumPy
Familiar: PyTorch, Transformers, D3, sklearn
Interests: Java Swing, Jekyll
- Languages (Natural) ▷ English, spoken Chinese (Shanghainese and Mandarin), some Spanish
- Misc. ▷ Plushie-making hobbyist

Awards and Achievements

- 2018 ▷ **Phi Beta Kappa**, honor society, top 10%, focus on liberal arts and sciences.
- 2016-2018 ▷ **Dean’s List**, awarded for high quarterly GPA.
Obtained Quarterly Dean’s List for 7 quarters, Annual Dean’s List for 2 years.

Miscellaneous

Certifications

- 2018 ▷ **Oracle Certified Professional Java SE 8.**
- 2017 ▷ **Oracle Certified Associate Java SE 8.**